SAMSUNG

THREE-CD CHANGER
VIDEO-CD
MINI-COMPACT SYSTEM
MAX-7020V
MAX-7030V
MAX-7050V

Instruction Manual

Safety Warnings

GB

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTER LOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

This symbol alerts you to important operating and maintenance instructions accompanying the unit.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

Contents

Thank you for buying this SAMSUNG mini-compact system.

Please take time to read these instructions. They will allow you to operate your system with ease and take full advantage of its features.

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Symbols

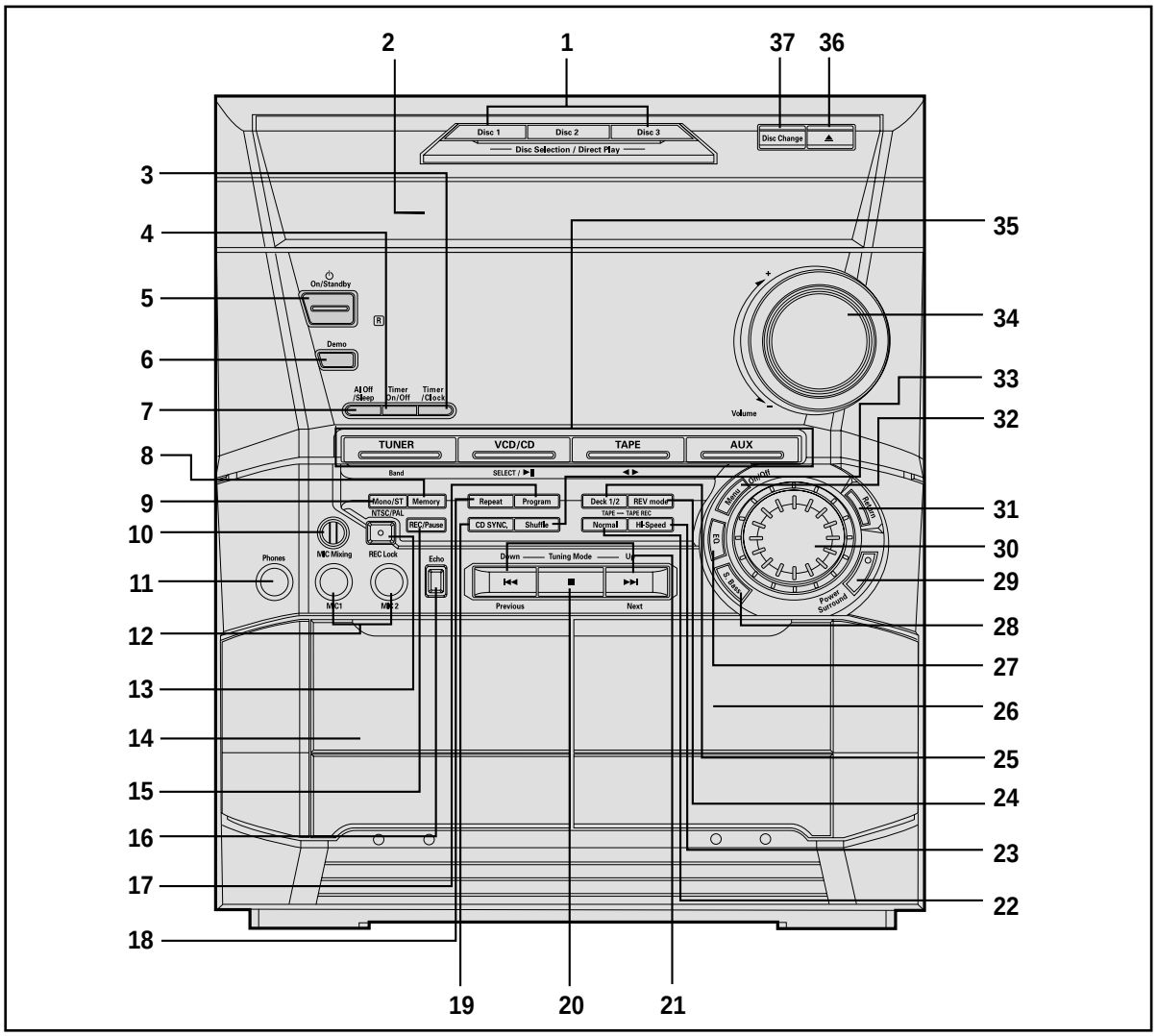
Press

Push

Important

Note

Front Panel View



1. **Disc Selection buttons**
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3. **Timer/Clock**
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20. **Tuning Mode or Stop button**
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35. **Function Selection buttons**
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Remote Control

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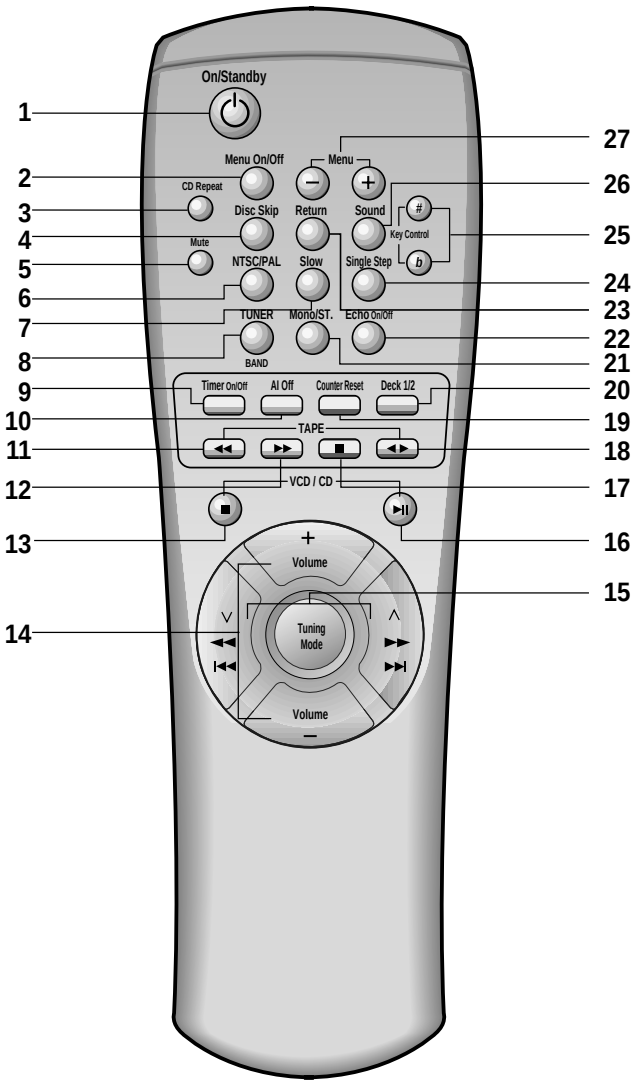

1. On/Standby
2. Menu On and Off
3. CD Repeat
4. Disc Skip
5. Mute
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7. Slow
8. Tuner Band
9. Timer On and Off
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20. Deck 1/2
21. Mono/Stereo
22. Echo On and Off
23. Return
24. Single Step
25. Key Control
26. Sound
27. Menu Selection

Rear Panel View

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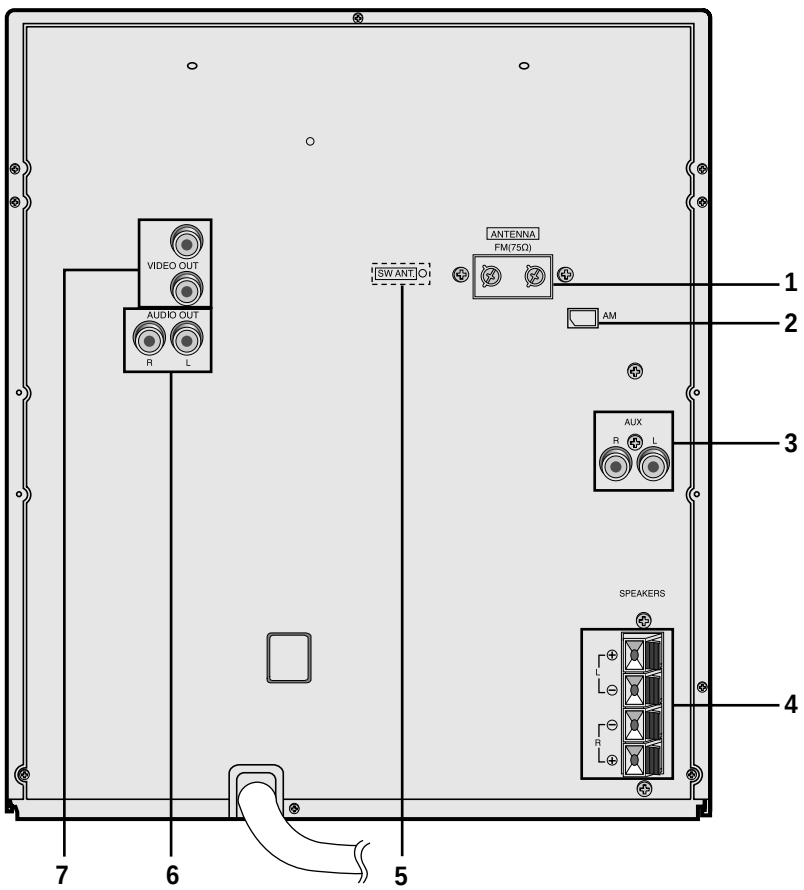
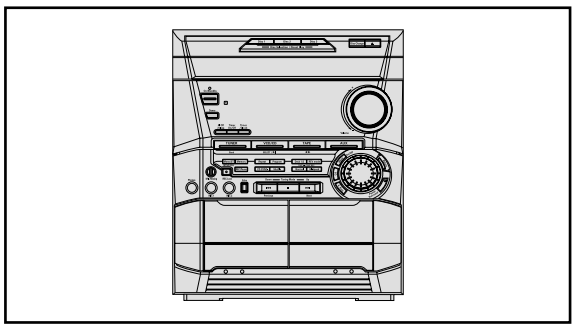


1. **FM Aerial Connector Terminal**
2. **AM Aerial Connector Terminal**
3. **AUX-Input**
4. **Loudspeaker Connector Terminals**
5. **SW Aerial Connector Terminal(OPTION)**
6. **Audio Output Connectors**
7. **Video Output Connectors**

Where to Install Your Mini-Compact System

To take full advantage of your new mini-compact system, follow these installation instructions before connecting the unit.

- Install the system on a flat, stable surface.
- Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 4 inches (10 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.



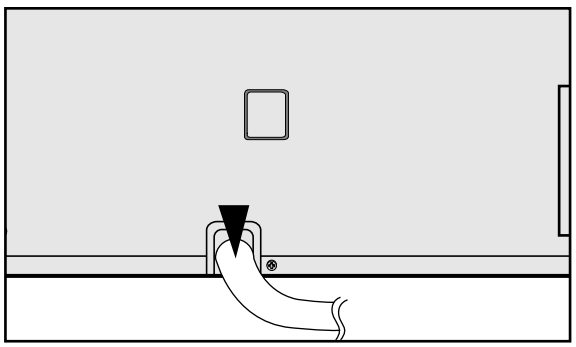
Connecting your System to the Power Supply

The main lead must be plugged into an appropriate socket.

☛ Before plugging your system into a main socket, you must check the voltage setting (OPTIONAL). If the voltage of the socket does not correspond to the setting on the rear of the unit, you may seriously damage your system.

1 Plug the main lead (marked **AC Cord** on the rear of the system) into an appropriate socket.

2 Press the **On/Standby** button to switch your mini-compact system on.



Connecting the Loudspeakers

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The loudspeaker connector terminals are located on the rear of the system.

There are four terminals on the system:

- Two for the left speaker (marked L)
- Two for the right speaker (marked R)

To achieve the correct sound quality, connect the:

- Red wire to the + terminals
- Black wire to the – terminals

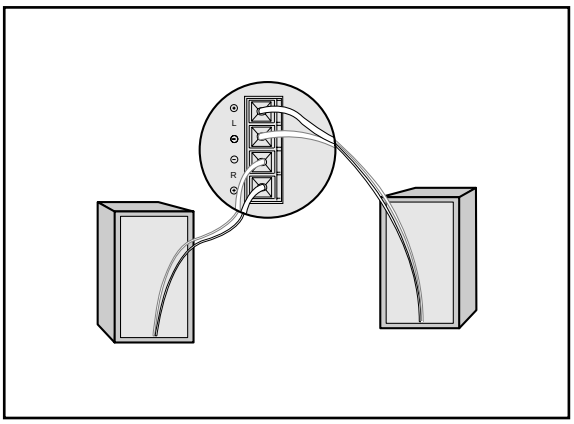
1 To connect a wire to a terminal, push the tab as far as it will go:
- To the right on the system

2 Insert the wire, up to the plastic sheathing, in the hole.

3 Push the tab back:
- To the left on the system, until it clicks into place
- To the top on the loudspeaker

Result: The wire is pinched and held firmly in place.

4 Repeat the operation for each wire.



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Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

- Purchase the mini-compact system
- Find that the remote control is no longer operating correctly

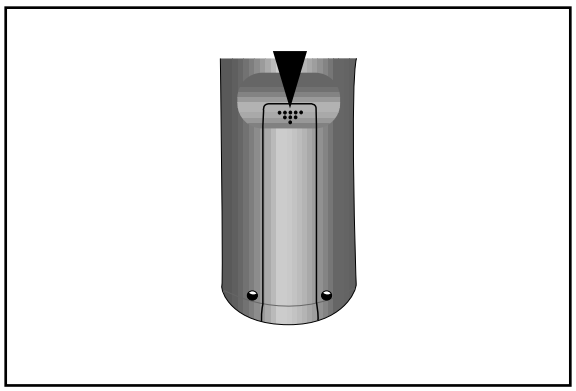
☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

1 Place your thumb on the position marked ▼ on the battery compartment cover (rear of the remote control) and push the cover in the direction of the arrow.

2 Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:

- + on the battery against + on the remote control
- – on the battery against - on the remote control

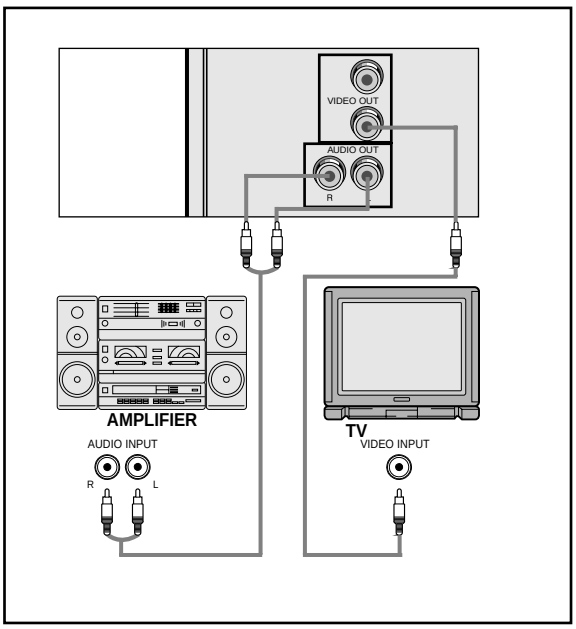
3 Replace the cover by sliding it back until it clicks into position.



Connecting to the Equipment

- Using the Audio Cord, Connect the Audio Output Terminals (Left, Right) of the System with the Audio Input Terminals (Left, Right) of the Video Input Cassette Recorder, so as to Record VCD.
- Using the Video Cord, Connect the Video Output Terminal of the system with the Video Input Terminal of TV.
- Turn on the TV and Select the Video mode by pressing the TV/VIDEO SELECT button to the VIDEO Position.

☛ Please Pay Attention not to Connect the Audio Output Terminals (left, right) of the System with the Audio Input Terminal of TV.



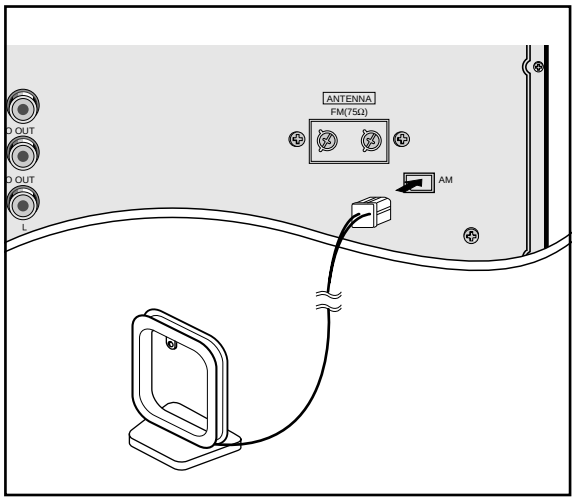
Connecting the AM (MW) Aerial

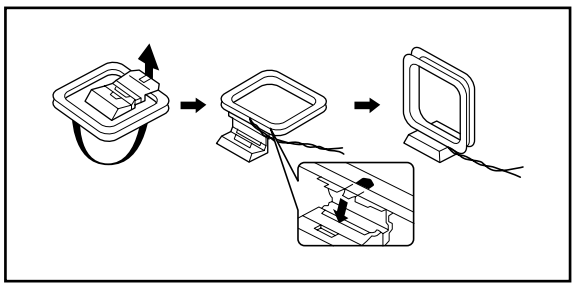
The AM aerial (for long and medium waves) can be:

- Placed on a stable surface
- Fixed to the wall (you must first remove the base)

The **AM** aerial connector terminals are located on the rear of the system and are marked **AM** .

☛ To avoid noise interference, check that the loudspeaker wires do not run close to the aerial wires.
Always keep them at least 2 inches (5 cm) away.



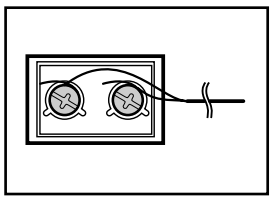


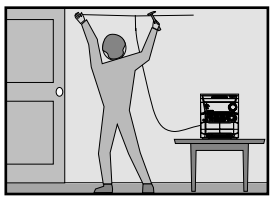
Connecting the FM Aerial

There are two types of aerial, (depending on option chosen).

1 How to connect a SCREW TYPE aerial.

- The **FM** aerial connector terminals are located on the rear of the system and marked **FM** (75Ω).
- Spread the T.form **FM** aerial out and attach the ends to a wall, in the position providing the best reception.

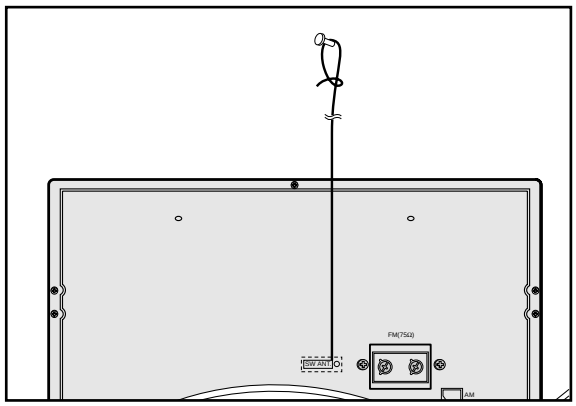




Connecting the SW Aerial

How to connect a WIRE TYPE aerial.

- Spread the **SW** aerial out and attach the ends to a wall, in the position providing the best reception.
- If reception is poor (e.g. distance from transmitter too great, walls blocking the radio waves, etc.), install an outdoor aerial.



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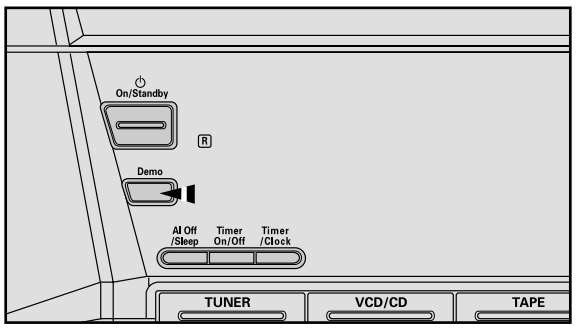
Viewing the Various Functions on Your System

You can view the various functions available on your system.

1 Press the **Demo** button.
Result: The various functions available are listed in turn on the display.

➢ All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.

2 To cancel this function, press **Demo** again.



Setting the Clock

Your system is equipped with a clock which allows you to turn your system on and off automatically. You should set the clock:

- When you purchase the mini-compact system
- After a power failure
- After unplugging the unit

☛
- Remember to reset the time when the clock changes from winter to summer time and vice verse.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing **On/Standby**.

2 Press **Timer/Clock** twice.
Result: **CLOCK** is displayed.

3 Press **Return**.
Result: The hour flashes.

4

To...	Turn the Multi Jog knob to the...
Increase the hours	Right
Decrease the hours	Left

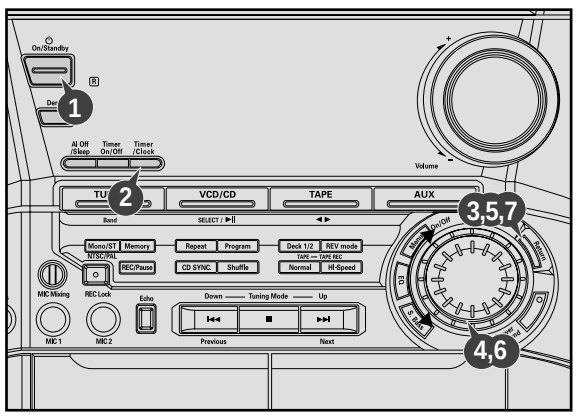
5 When the correct hour is displayed, press **Return**.
Result: The minutes flash.

6

To...	Turn the Multi Jog knob to the...
Increase the minutes	Right
Decrease the minutes	Left

7 When the correct time is displayed, press **Return**.
Result: The clock starts and is displayed, even when the system is in standby mode.

➢ You can display the time, even when you are using another function, by pressing Timer/Clock once.



Loading and Changing Compact Discs

The CD disc changer can contain up to three 12 cm or 8 cm compact discs without using an adapter.

☛ Never force the compact disc carrousel when opening and closing the compartment.

Never press down or place objects on the carrousel.

➢ Always treat your compact discs with care; refer, if necessary, to the section entitled "**Precautions When Using Compact Discs**" on page 24.

1 Switch the system on by pressing **On/Standby**.

2 Press the **Open/Close (▲)** button on the front panel.
Result: The compartment opens.

3 Place one or two discs in the front slots of the carrousel, with the label on the discs facing upwards.
☛ Check that the compact disc has been correctly inserted in the holder before closing the compartment.

4 If you wish to load a third compact disc, press the **Disc Change** button on the front panel (or **Disc Skip** on the remote control).
Result: The carrousel rotates by 120°.

5 Close the compartment by pressing the **Open/Close (▲)** button again.
➢ If you wish to start playing a disc directly, you can also proceed as follows.

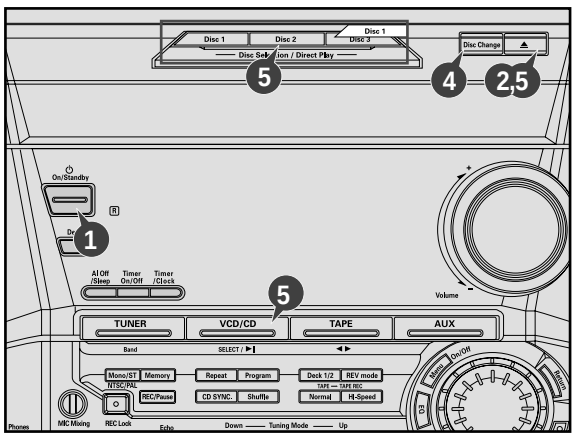
To play...	Press...
Disc 1	VCD/CD (▶II) or Disc 1
Disc 2	Disc 2
Disc 3	Disc 3

Result: The compartment closes automatically and the disc selected starts playing.

6 To change or unload the compact disc changer, repeat Steps **2** to **5**.

☛ Keep the compartment closed whenever you are not using it, to prevent dust from entering.

➢ You can load or unload compact discs when the radio, tape or auxiliary source function is selected.



Listening to a Compact Disc

When you have loaded at least one compact disc into the player, you can start listening to it.

➢ Always treat your compact discs with care; refer, if necessary, to the section entitled "**Precautions When Using Compact Discs**" on page 24.

1 Switch the system on by pressing **On/Standby**.

2 Select the CD function by pressing **VCD/CD** (▶II) on the front panel.

3 Load one or more discs.

4 Press **VCD/CD** (▶II) on the front panel or ▶II on the remote control.

➢ If you have loaded more than one compact disc, they will be played in turn.

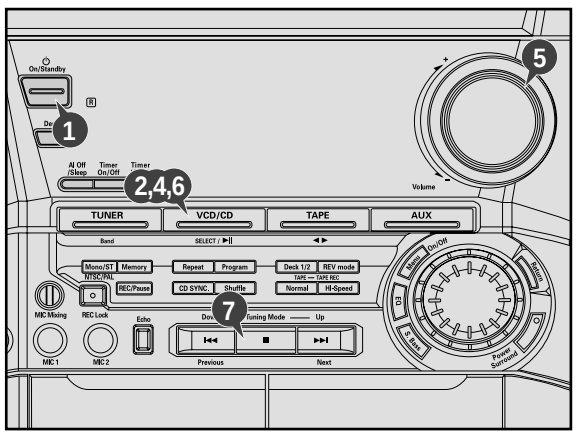
5 Adjust the volume as required by:
- Turning the **Volume** knob on the front panel
  or
- Pressing the **Volume +** or **-** buttons on the remote control

6 To pause temporarily during playback, press **VCD/CD** (▶II).

➢ Press **VCD/CD** (▶II) again to continue disc playback.

7 Press ■ when you have finished.

➢
- When playing a disc, you can load new discs without stopping the current one. To do so, open the compartment by pressing Disc Change and load new discs in the other two vacant slots (not the one containing the disc that you are playing). You cannot rotate the carrousel during playback.
- When no discs are loaded, the **"NO DISC"** indication is displayed.
- The CD player stops automatically after playing the three discs, if the CD REPEAT function has not been selected.



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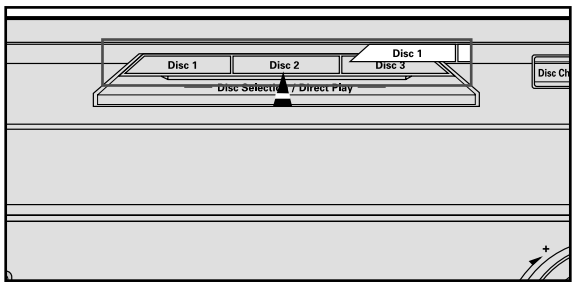
Selecting a Disc in the CD changer

The CD function is automatically selected when DISC SKIP is pushed.

To select a specific disc, press the corresponding Disc (1, 2, 3) button on the front panel or Disc Skip on the remote control, until the required disc indicator flashes.
Result: All the discs will be played in turn, starting with the one selected.

➢ If you wish to play the current disc only, press Repeat on the front panel one or more times, until DISC is displayed.

➢
- If you use the Disc (1, 2, 3) function when listening to the radio or to a tape, the system switches automatically to the CD mode.
- If the disc selected is not loaded, the next disc is played automatically.

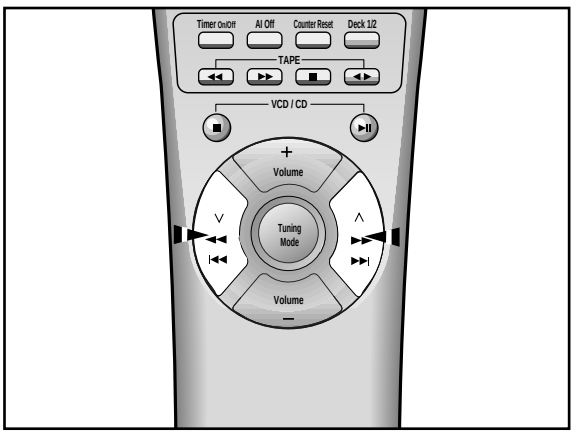


Searching for a Specific Music Passage on a CD

When listening to a compact disc, you can quickly search for a specific music passage on a track.

➢ It is recommended that you turn the volume down before using this function.

To search through the tracks...	Press and hold down...
Forwards	▶▶ for at least one second
Backwards	◀◀ for at least one second

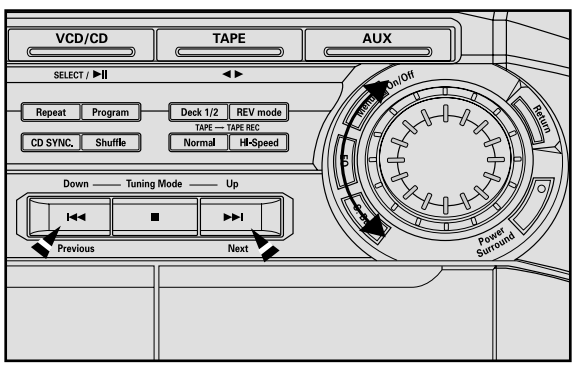


Selecting a Track

You can select the track you wish to listen to, either when the compact disc player is stopped or when a disc is playing.

To start playback at the beginning of the...	Turn the Multi Jog knob...
Next track	One notch to the right
Current track	One notch to the left
Previous track	Two notches to the left
Track of your choice	The appropriate number of notches to the right or to the left

➢ ♦ You can also use the ⏮ and ⏭ buttons on the front panel, or the ⏮ and ⏭ buttons on the remote control.



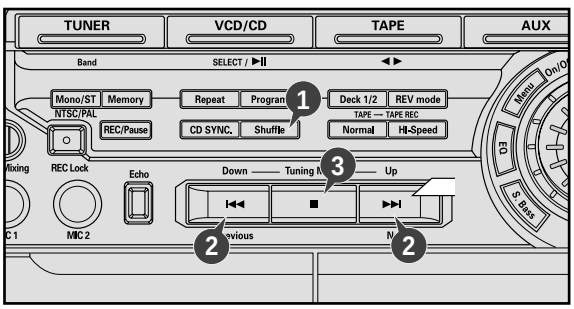
Shuffle Play Function

You can listen to the tracks on a compact disc in a different order each time, as the various tracks will be selected automatically in a random sequence.

1 Press the **Shuffle** button.
Result: The Shuffle indication appears and all the tracks are played in a random order. Both the track number and the playing time are displayed.

2 When playing tracks in a random order, you can:
- ♦ Move on to the next track (selected at random) by pressing ⏮/ ⏭ for less than one second
- ♦ Search quickly for a specific point in the current track by pressing ⏮/ ⏭ for more than one second

3 When you have finished the random playback, press ■.



Repeating One or All Tracks on the Compact Discs

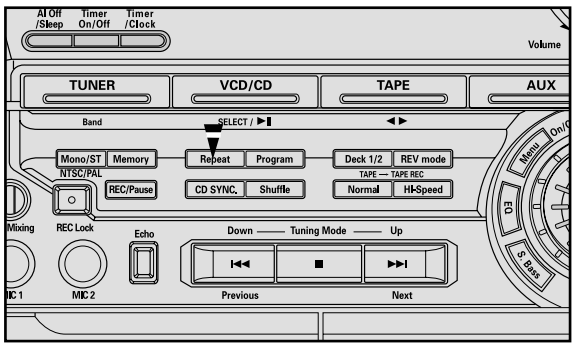
You can repeat indefinitely:

- A specific track on a compact disc.
- All tracks on the compact disc selected.
- All discs loaded in the carrousel

1

To repeat...	Press Repeat on the Front Panel one or more times until...
The current track indefinitely	**REPEAT 1** is displayed
The selected disc	**REPEAT 1 CD** is displayed
All discs loaded	**REPEAT ALL CD** is displayed

2 When you wish to stop the Repeat function, press **Repeat** until **ALL CD** or **1 CD** is displayed, or press ■ .



Programming the Order of Playback

You can decide:

- The order in which you listen to the tracks on the discs loaded
- Which tracks you do not wish to listen to

➢
- You can programme up to 24 tracks.
- You must stop the compact disc player before selecting the tracks.
- This feature can be combined with the Repeat function.

1 If the CD function is selected, stop the player by pressing ■ .

2 Load the selected CDs.

3 Press **Program**.
Result: The following indications are displayed:

(01 = Programme No, DI = Disc No, – – = Track No on the disc)

4 If necessary, select the disc containing the required track by pressing the corresponding **Disc (1, 2, 3)** button.

5 Select the required track by turning the **Multi Jog** knob:

- To the left to move back through the tracks
- To the right to move forward through the tracks

6 Press **Program** to confirm your selection.

Result: The selection is stored and PRGM 02 PR D1 – – is displayed.

7 To select other tracks, repeat Steps **4** to **6**.

8 Press **VCD/CD** (▶II) to listen to the track selection in the order programmed.

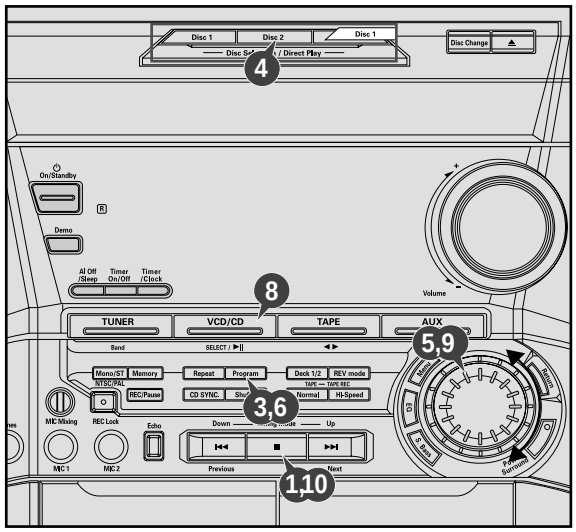
9

To...	Turn the Multi Jog knob...
Listen to the current track again	One notch to the left
Listen to the previous track	Two notches to the left
Listen to the next track	One notch to the right
Skip forwards or backwards one or more tracks	The appropriate number of notches to the right or to the left

10 To cancel the selection, press ■ .

- Once if the compact disc player is stopped
  Result: **PROGRAM** is no longer displayed.

➢
- If you open the compartment, the selection is cancelled.
- If you select the number of a disc which is not loaded or a track which does not exist on the CD, the selection skips to the next programmed track.



Checking or Changing Programmed Tracks

You can check or change your selection of tracks at any time.

1 Press ■ once if you have started listening to the selection.

2 Press **Program**.
Result: The following indications appear: PROG CH 01 – – –
(CH = Check, 01=Program No, DI = Disc No, – – = Track No on the disc)

➢ If you have already programmed 24 tracks, **CH** is displayed instead of **PR** when you press **Program**.

3 Press **Program** again.
Result: The first track selected is displayed, together with the letter **CH** (Change).

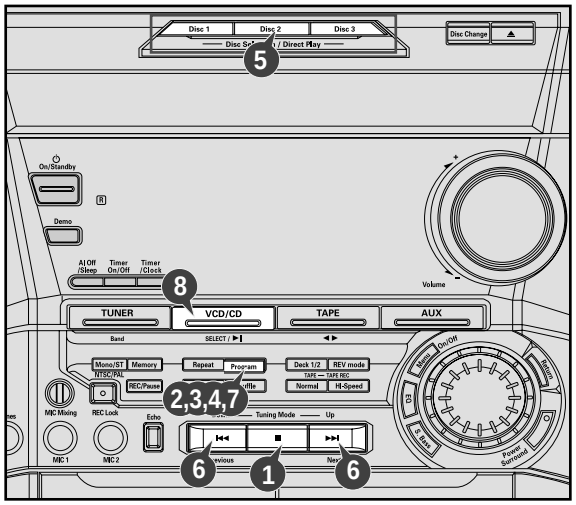
4 Press **Program** one or more times until the track to be changed is displayed.

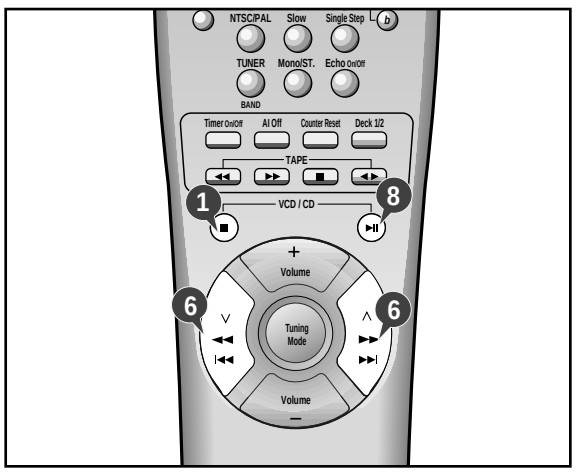
5 If necessary, press the corresponding **Disc (1, 2, 3**) button to change discs.

6 Press **Tuning Down** and **Up** to select a different track.

7 Press **Program** to confirm your change.

8 Press **VCD/CD** (⏯) to start listening to the selection.
Result: The first track selected is played.





Video CD Player Playback

In order to playback video VIDEO-CD('S), make sure that your unit is connected to your TV set.

This unit is designed for playback of video CD('S), version 1.1 and 2.0. Only with version 2.0, is it possible to call up the on screen menu function. This unit will not play back any other video VIDEO-CD('S) other than 1.1 and 2.0 versions.

1 Turn on the **On/Standby** switch and set the VCD mode.

2 Press the **Open/Close (⏏)** button on the unit, to open the CD tray.
Result: "**OPEN**" is displayed and CD tray slides open.

3 Load a video-CD('S) with the label facing upwards in the tray.

4 Press the **Open/Close (⏏)** button again to close the CD tray.

5 To playback:
- In version 1.1, press the SELECT/ ⏯ button for direct access to the film, as there is no menu-on-screen.
- In version 2.0, load a video CD, "**Video CD2.0**", and "**MENU ON**" are displayed on the TV screen. Press the SELECT/ ⏯ button and the menu is displayed on the TV screen. Select a number from the menu using Menu + button or – button and press the SELECT/ ⏯ button.

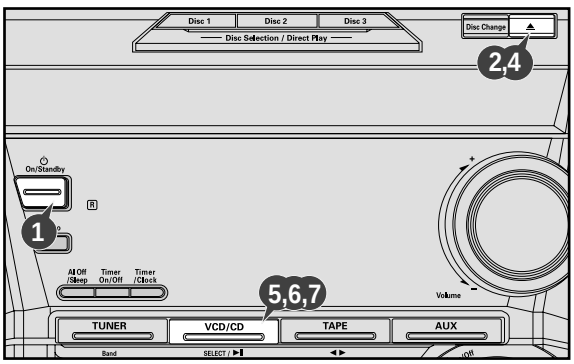
➢ - When playing a video-CD('S) version 2.0, reading time on the display may take longer, depending on the disc's contents.

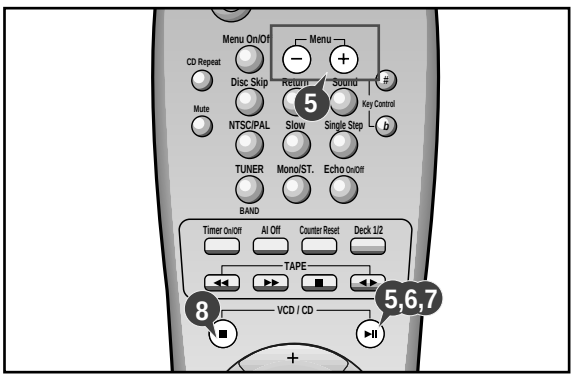
6 Press **SELECT/** ⏯ button on the remote control to receive a still picture.
Result: Pause is displayed, a still picture appears and the sound is muted.

7 To return to normal playback, press **SELECT/** ⏯ button.

8 Press the **Stop (■)** button to stop playback.

➢ Please make sure that the VIDEO-CD('S) to be played is not flawed optically, as this may cause a distorted sound or the unit to malfunction.



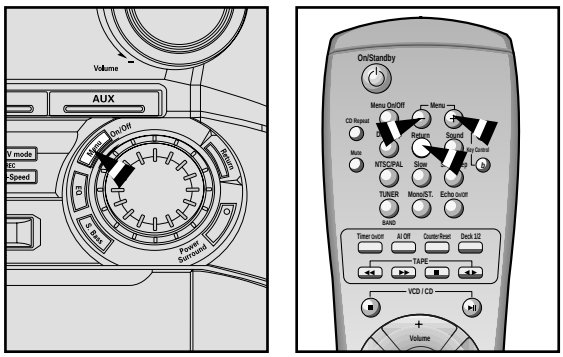


Menu Functions (Version 2.0)

Press any of the following buttons for the various menu functions.

To...	Press...
Display the main menu	Menu On/Off
Cancel the menu display	Menu On/Off
Return to the last displayed menu	RETURN the appropriate number of times number of times
Go to the following menu	Menu +
Go to the previous menu	Menu -
Enter/playback the menu	▶II

➢ In the version 2.0, with the MENU ON function, it will not be possible to activate such functions as "PROGRAM", "REPEAT".



Search Functions (Version 1.1 or Menu Off)

You can find a certain passage faster during playback.

1

To...	Press and hold down...
Scan forwards	▶▶I
Scan backwards	I◀◀

2 Release the **Skip/Search** buttons when the desired passage has been found.

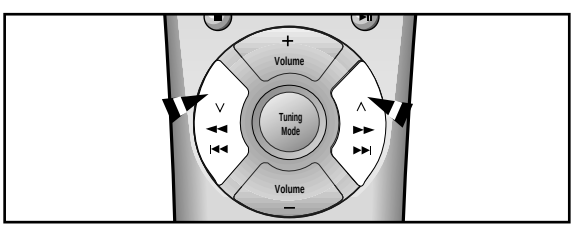
➢ In the video CD version 1.1 or MENU OFF mode, where the disc's contents are over 15 minutes long, you can scan up or down by intervals of five minutes.

3

To...	Press...
Scan forwards by 5 minute intervals	▶▶I
Scan backwards by 5 minute intervals	I◀◀

Result: The picture is still, and the disc's contents are forwarded or reversed by 5 minute intervals. Playback then resumes from this new position.

➢ In the SKIP/SEARCH or SCAN mode, the sound can only be partially heard and the picture scenes will change sporadically, until the required passage has been found.

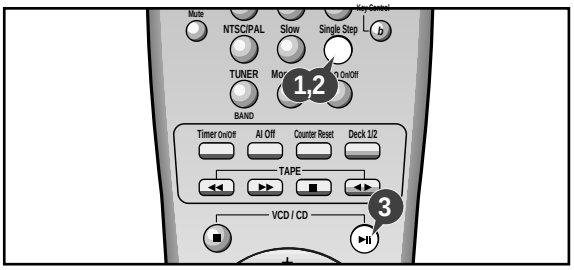


Still/Frame Advance (Versions 1.1/2.0)

1 During playback, press the Single Step button on the remote control.
Result: The picture will be still.

2 Press Single Step button one or more times to advance frame by frame in a forward direction.
Result: The sound is muted during still frame.

3 To return to normal playback, press SELECT(▶II) button.



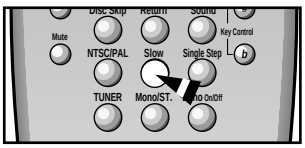
When adjusting play speed

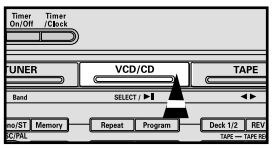
Turn on the TV and set video mode.

Press the **Slow** button on the remote controller when the play function is on.
- Voices do not come out when the **Slow** button is pressed.
- Slow playing is 1/2, 1/4, 1/8 the normal playing speed.

To return to normal operation.
- Press the SELECT(▶II) button.

➢ When the slow mode or frame mode is selected a disc will only forward operation.





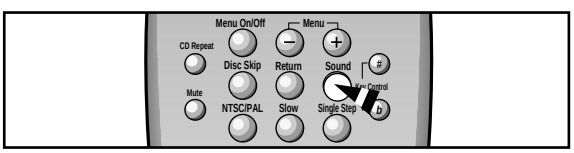
Sound Select Function

With this function, you can playback video CD's that provide 2-channel tone(bilingual) in the original language. Similarly, with karaoke video CD's, you can select between the channel for music without vocals for sing-along purpose, or the channel complete with music and vocals.

During playback, press the **Sound** button on the remote control.
Result: Each time the **Sound** button is pressed, the following appears in the display and on the TV screen:

Lch → Rch → L/Rch

➢ You can select between listening to the tone from the left channel, the right channel or both channels.

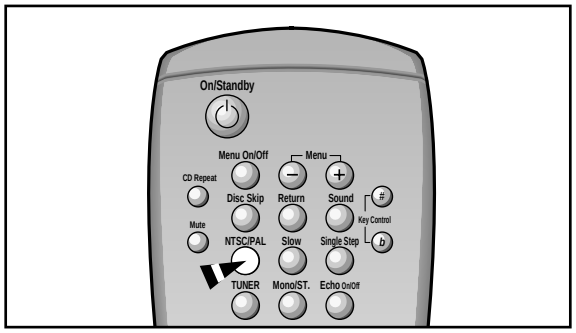


NTSC/PAL Function

According to a DISC or TV, Press the NTSC/PAL button on the remote control.

During playback, press the **NTSC/PAL** button on the remote control.
Result: Each time the **NTSC/PAL** button is pressed, the following appears in the display and on the TV screen:

NTSC → PAL

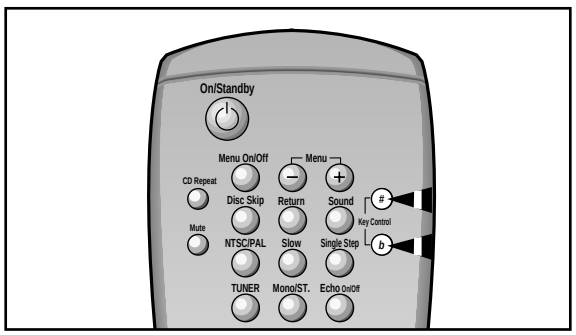


KEY CONTROL Function

Press the **Key Control** button to adjust the key to your voice.
Result: Each time the **Key Control #, b** button is pressed, the following appears on the TV screen: "KEY STEP ---"

b : Low-Pitched Key
: High-Pitched Key

- This function can work only at VCD/CD mode when microphone is connected.



Searching for and Storing the Radio Stations

You can store up to:
- 15 FM stations
- 5 MW stations
- 5 SW1 stations
- 5 SW2 stations

1 Switch the system on by pressing **On/Standby**.

2 Select the TUNER function by pressing **TUNER** on the front panel.

3 Select the required frequency band by pressing **TUNER (Band)** again on the front panel or **Tuner (Band)** on the remote control.
Result: The appropriate indication is displayed:

FM	Frequency Modulation
AM(MW)	Medium Wave
SW1, SW2	Short Wave

4

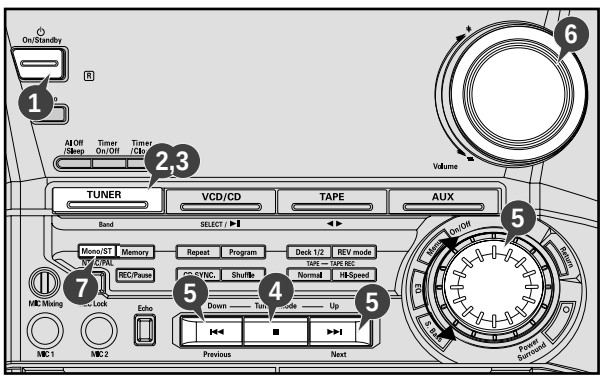
To search for a station...	Press Tuning Mode
Manually	One or more times until **MANUAL** is displayed.
Automatically	One or more times until **AUTO** is displayed.

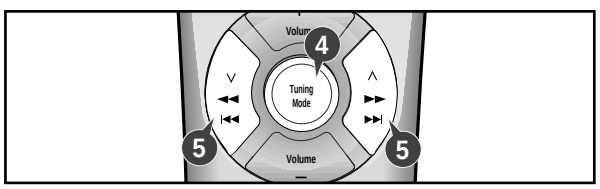
5 Select the station to be stored by:
- Turning the **Multi Jog** knob to the right or to the left to increase or decrease the frequency respectively
  or
- Pressing **Tuning** ∨ or ∧ on the remote control

- To scroll through the frequencies faster when searching manually, hold down the **Tuning Mode Down** or **Up** buttons.
- The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.

6 Adjust the volume by:
- Turning the **Volume** knob on the front panel
  or
- Pressing the **VOL. +** or **–** buttons on the remote control

7 Select the stereo or mono mode by pressing **Mono/ST**.





Searching for and Storing the Radio Stations (continued)

8 If you do not want to store the radio station found, revert to Step 4 and search for another station.

Otherwise:

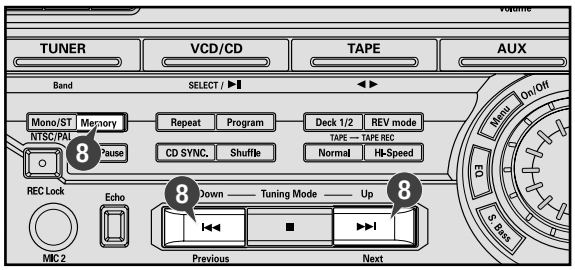
a Press **Memory**.
Result: The **PRGM** is displayed for a few seconds.

b Press **Tuning Mode Down** and **Up** to assign a programme number between 1 and 15.

c Press **Memory** to store the radio station.
Result: **PRGM** is no longer displayed and the station is stored.

9 To store any other radio frequencies required, repeat Steps **3** to **8**.

➢ The PROGRAM function can be used to assign a new station to an existing programme number.



Selecting a Stored Station

You can listen to a stored radio station as follows:

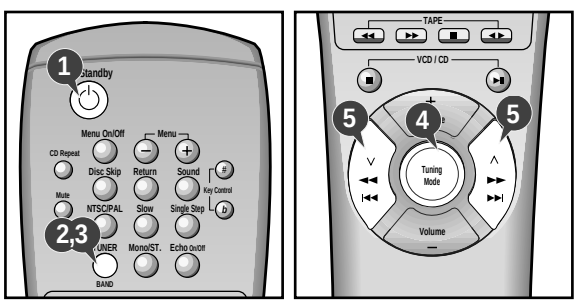
1 Switch the system on by pressing **On/Standby**.

2 Select the TUNER function by pressing **Tuner** on remote control.

3 Select the required frequency band by pressing **Tuner** (Band) on the remote control or **TUNER** (Band) again on the front panel.

4 Press the **Tuning Mode** button on the front panel of the unit, or the **Tuning Mode** button on the remote control until "**PRESET**" is displayed.

5 Tuning the **Multi-jog** on the front panel left or right until the desired station is found.
or
Select the desired station by pressing the station number stored, using the **Tuning** ∨ or ∧ button on the remote control.
Result: The desired station is now received.

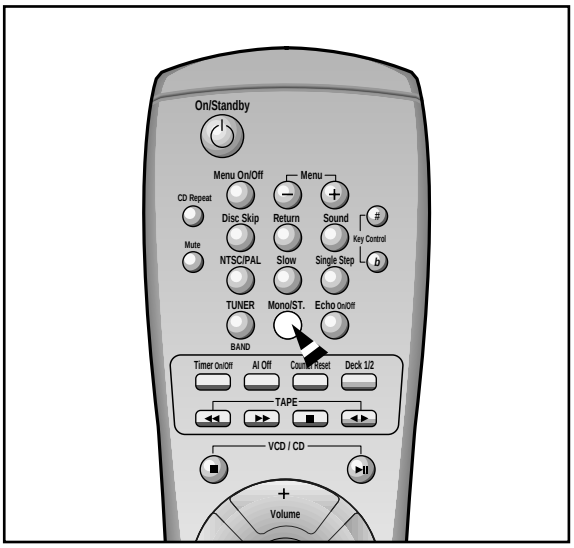


Improving Radio Reception

You can improve the quality of radio reception by:

- Rotating the FM or AM(MW) aerial
- Testing the positions of the FM and AM(MW) aerials before fixing them permanently

➢ If reception from a specific FM radio station is poor, press **Mono/ST.** to switch from stereo mode to mono. The quality of the sound will be improved.



Listening to a Cassette

➢ ♦ Always treat your cassettes with care; refer, if necessary, to the section entitled "**Precautions When Using Audio Cassettes**" on page 24.

1 Switch the system on by pressing the **On/Standby** button.

2 Select the TAPE function by pressing **TAPE** on the front panel.

3 Open either cassette deck 1 or 2 by pushing and releasing the deck cover where **PUSH EJECT** (⏏) is written.

4 Insert the pre-recorded cassette with the open edge of the tape facing downward.

5 Close the deck by pushing on it until it clicks into place.
Result: Depending on the deck selected, the **1** or **2** indication is displayed in front of the counter number.

➢ If you insert a cassette in both decks, the system selects the deck in which you inserted the second cassette.

6 If you have inserted two cassettes, press **Deck 1/2** on the front panel or directly the **Deck 1/2** button on the remote control to select the cassette to be played.

Result: Depending on the deck selected, the TAPE 1 or TAPE 2 indication is displayed.

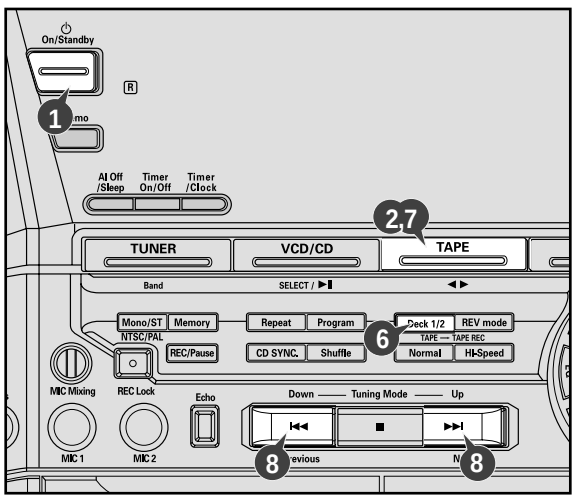
7

To listen to...	Press ...
Side A	TAPE (◄►) DECK 1 and DECK 2
Side B	TAPE (◄►) DECK 2 only

Result: The cassette starts playing.

8 When the cassette is stopped, select one of the following functions as required.

To...	Press ...
Rewind the cassette	⏮
Fast-forward the cassette	⏭



CD Synchro Record Feature

You can record a compact disc on a cassette in two different ways:

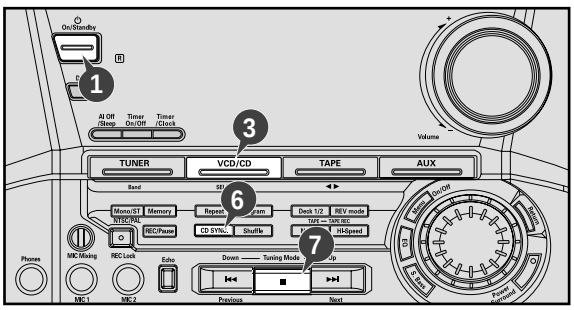
♦ Synchronised recording
♦ Direct recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice.

1 Switch the system on by pressing **On/Standby**.
2 Insert a blank cassette in Deck 2.
3 Select the VCD/CD function by pressing **VCD/CD** on the front panel.
4 Load a compact disc.
5 Select the required disc.
6 Select the required track and press **CD SYNC**. or press **CD SYNC.** directly to start recording at the beginning of the disc.
Result: **REC** is displayed and recording starts.

7

To stop...	Press ...
Recording and playing the compact disc	■

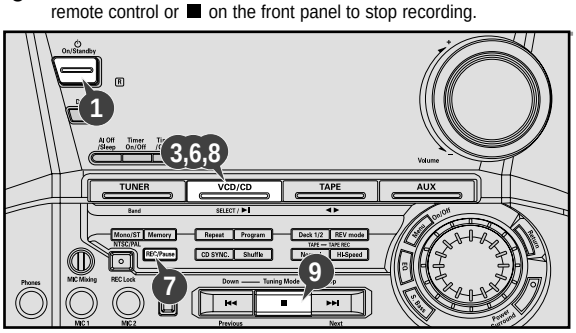


Recording a Compact Disc

The direct recording mode enables you to start recording with any track on the compact disc.

♦ You can only record on cassettes in Deck 2.
♦ You do not need to adjust the volume, as it has no effect on the recording.

1 Switch your system on by pressing **On/Standby**.
2 Insert a blank cassette in Deck 2.
3 Select the VCD/CD function by pressing **VCD/CD** on the front panel.
4 Load the compact disc.
5 Select the required disc.
6 Select the required track on the compact disc and press ►II on the front panel or ►II on the remote control to set the compact disc player to Pause mode.
7 Press the **REC/Pause**.
Result: **REC** flashes.
8 Press the ►II to start playing the track.
Result: The track is recorded on the cassette.
9 When you have finished recording, press ■ for Deck 2 on the remote control or ■ on the front panel to stop recording.



Recording a Radio Programme

You can record a radio programme of your choice.

- You can only record on cassettes in Deck 2.
- You do not need to adjust the volume, as it has no effect on the recording.

1 Switch the system on by pressing **On/Standby**.

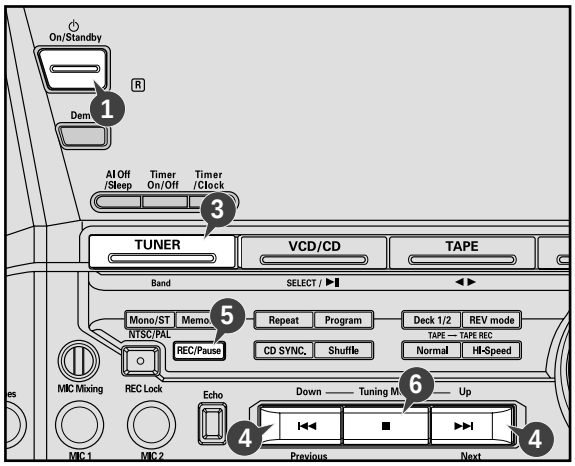
2 Insert a blank cassette in Deck 2.

3 Select the TUNER function by pressing **TUNER** on the front panel.

4 Select the radio station that you wish to record by pressing **Tuning** ^ or v on the remote control or by press the **Tuning Mode Down** or **Up** on the front panel.

5 Press **REC/Pause**.
Result: **REC** is displayed in red and recording starts.

6 When you have finished recording, press the ■ for Deck 2 on the remote control or ■ on the front panel to stop recording.



Copying a Cassette (Dubbing)

You can copy a cassette from Deck 1 to Deck 2. Two options are available:

- Normal speed dubbing
- High-speed dubbing

➢
- You do not need to adjust the volume, as it has no effect on the recording.
- Take care not to insert the tape to be copied in Deck 2, as it will be erased when you start recording.

1 Switch your system on by pressing **On/Standby**.

2 Insert a blank cassette in Deck 2.

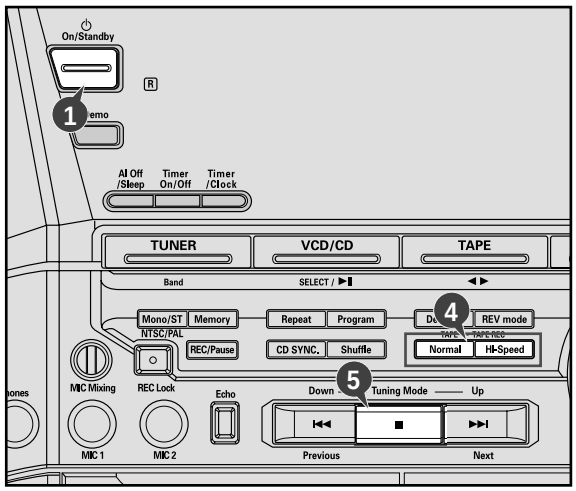
3 Insert the tape to be copied in Deck 1.

4

To copy a cassette at...	Press...
Normal speed	Normal
High speed	Hi-Speed

Result: The appropriate indications are displayed and the cassette in Deck 1 is copied to the cassette in Deck 2.

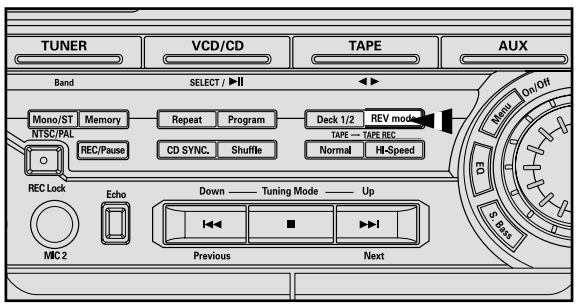
5 Press ■ on the front panel or ■ for each deck on the remote control when you have finished recording.



Selecting the Cassette Playback Mode (Deck 2 Only)

Your mini-compact system has three cassette playback modes which enable you to listen to both sides of a cassette automatically.
Press REV mode until the appropriate symbol is displayed.

When the display indicates...	The mini-compact system plays back...
⇀	One side of the selected cassette and then stops.
⇄	One side of the cassette. The other side of the cassette and then stops.
↻	Both sides of the cassette indefinitely until you press stop.



Timer Function

GB

The timer enables you to switch the system on or off at specific times.
Example: You wish to wake up to music every morning.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☛
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing **On/Standby**.

2 Press **Timer/Clock** until ◴ **TIMER** is displayed.

3 Press **Return**.
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.

a Set the hour by tuning the **Multi Jog** knob to the right or to the left.

b Press **Return**.
Result: The minutes flash.

c Set the minutes by tuning the **Multi Jog** knob to the right or to the left.

d Press **Return**.
Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.

a Set the hour by tuning the **Multi Jog** knob to the right or to the left.

b Press **Return**.
Result: The minutes flash.

c Set the minutes by tuning the **Multi Jog** knob to the right or to the left.

d Press **Return**.
Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

6 Press **Tuning Down** and **Up** to adjust the volume level and press **Return**.
Result: The source to be selected is displayed.

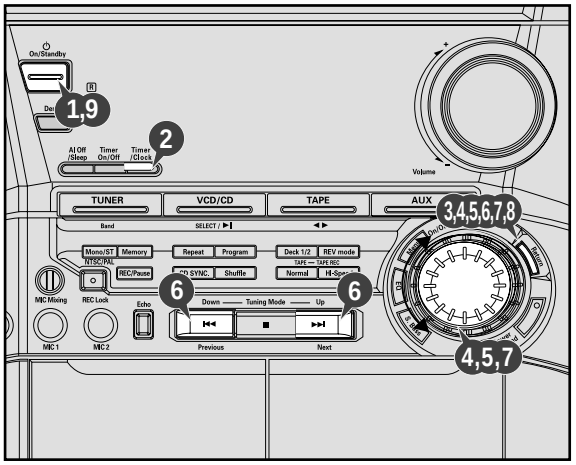
7 Turn the **Multi Jog** knob to select the source to be played when the system switches on.

If you select...	You must also...
TAPE (cassette)	Insert a recorded cassette in one of the decks before setting the system to standby.
TUNER (radio)	**a** Press **Return**. **b** Select the FM or AM frequency band by tuning the **Multi Jog** knob to the right or to the left. **c** Press **Return**. **d** Select a preset station by tuning the **Multi Jog** knob to the right or to the left.
CD (compact disc)	**a** Load one or more compact discs. **b** Select the required disc.

8 Press **Return** to confirm the timer.

9 Press **On/Standby** to set the system to standby mode.
Result: ◴ is displayed to the bottom left of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

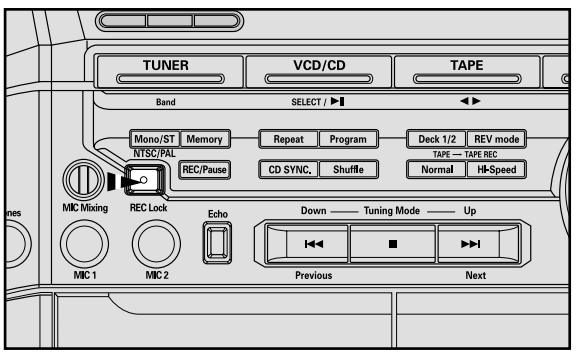
➢ If the timer switch on and off times are identical, the word **ERROR** is displayed.



For the Protection of being Recorded

Press REC LOCK (recording protection) button.

➢
- When REC Lock (recording protection) lamp is lighted up all of the buttons are not activated. (Volume, Demo button is activated.)
- It is a function that the recording stop is prevented by other button action during recording.
- REC Lock (recording protection) is activated only during recording.
- When the REC Lock is on (the lamp is on), do not open the cassette door.
- When releasing, press REC Lock button once again.

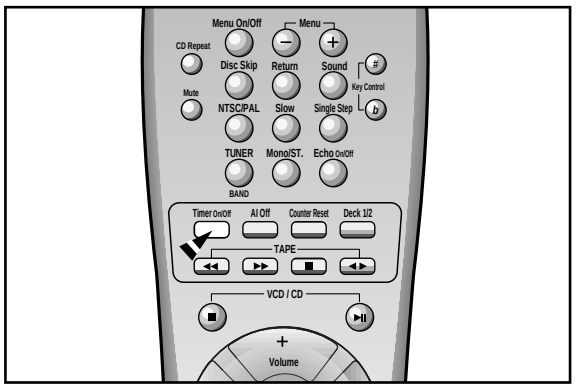


Cancelling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

➢ You can stop the timer at any time (system on or in standby mode).

To...	Press Timer-On/Off...
Cancel the timer	Once. Result: ◴ is no longer displayed.
Restart the timer	Twice. Result: ◴ is displayed again.

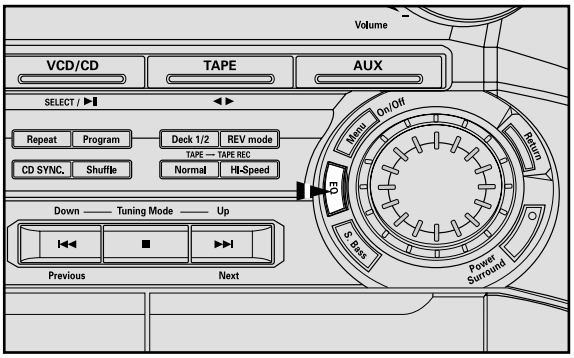


Selecting an Equalizer Preset

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Press **EQ** on the front panel or on the remote control until the required option is selected.

To obtain a...	Select...
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	ROCK
Balance suitable for classic music	CLASSIC

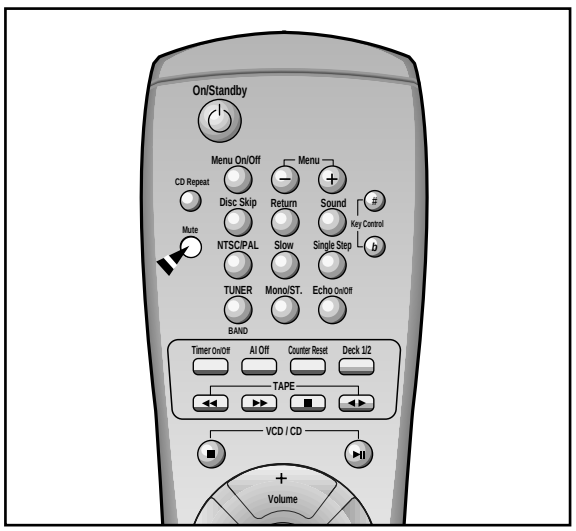


Mute Function

You can turn the sound off temporarily on your system.
Example: You wish to answer a telephone call.

1 Press **Mute**.

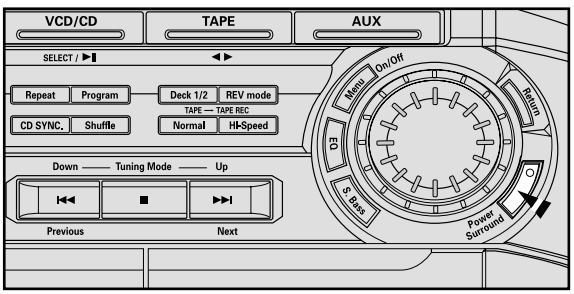
2 To switch the sound back on (at the same volume as before), press **Mute** again or the **Volume** buttons.



Power Sound/Surround Function

Your mini-compact system is equipped with the function of Power Sound and Power Surround.
The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.
The Power Surround replaces conventional stereo sound with a wider and more ture-to-life sound. It creates the feeling of being right at the centre of the music and being surrounded by total music sound.

➢ Press Power Surround button on the front panel until the required option is selected. Each time the Power Surround button is pressed, **"POWER SOUND, POWER SURROUND, OFF"** are selected in this order.



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Setting the System to Switch off Automatically

While listening to a compact disc or a cassette, you can set the system to switch off automatically
Example: You wish to go to sleep to music.

1 Press **AI Off/Sleep**.
Result: playback starts and the following indications are displayed:

90 MIN

2 Press **AI Off/Sleep** one or more times to indicate how long the system should continue playing before it switches off:

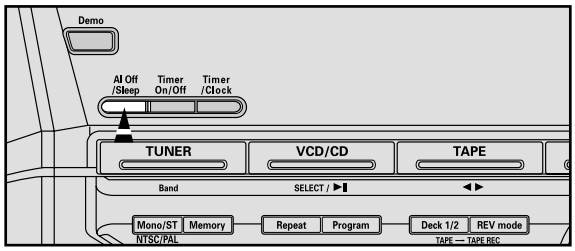
(AI SLEEP) → 90 MIN → 60 MIN → 45 MIN → 30 MIN ← 15 MIN ← OFF

➢ At any time, you can:

- Check the remaining time by pressing **AI Off/Sleep**
- Change the remaining time by repeating Steps **1** and **2**

3 Press **AI Off/Sleep** one or more times until **AI SLEEP** is displayed.
Result: The system will automatically switch off at the end of disc or cassette.

4 To cancel SLEEP or AI OFF function, press **AI Off/Sleep** one or more times until **OFF** is display.



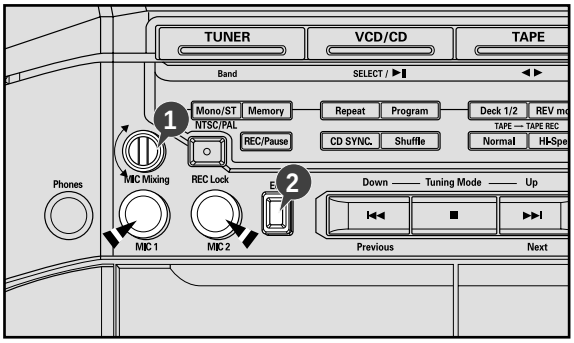
Microphone Function

The microphone enables the user to mix in his or her vocals to sing-along with the music.

Preparation
Plug the microphone with a 6.3mm mic jack into microphone terminal.

1 Turn the **MIC Mixing** switch to adjust the mic volume.

2 Press **Echo** button.
Result: Press **Echo** button to select on and off.

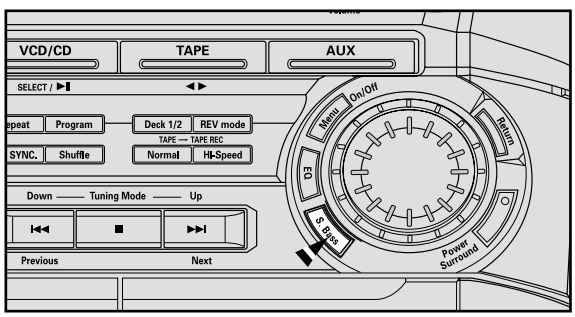


Super Bass Sound

Your mini-compact system has a bass amplification function called S.Bass (Super Bass Sound). This function makes the sound more powerful and real.

1 Press the **S. Bass** button on the front panel.
Result: **SBS ON** is displayed for a few seconds.

2 To cancel this function, press **S. Bass** again.

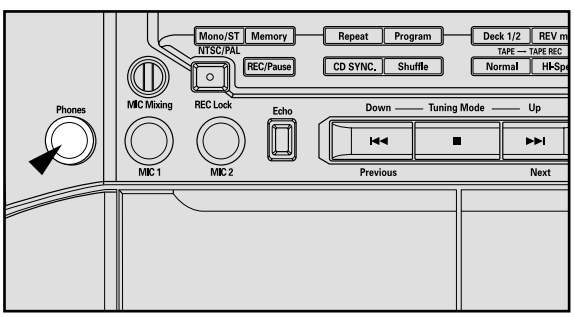


Connecting Headphones

You can connect a set of headphones to your mini-compact system so that you can listen to music or radio programmers without disturbing other people in the room. The earphones must have a 6.3 mm jack or an appropriate adapter.

Connect the headphones to the **Phones** jack on the front panel.
Result: The loudspeakers are no longer used to output the sound.

☛ Prolonged use of headphones at a high volume may damage your hearing.



Connecting to an External Source

The auxiliary input can be used to take advantage of the sound quality of your mini-compact system when listening to other sources.

Examples: ♦ A television
♦ A video disc player
♦ A DAT or DCC cassette player
♦ A Hi-Fi stereo video cassette recorder

➢ To connect the external source, the source must have an audio output. In addition, you need an RCA connection cable.

1 Set the system to standby mode and disconnect it and the external source from the main.

2 Connect the audio cable to the rear of the mini-compact system.

Connect the...	To the connector marked...
Red jack	R (right)
White jack	L (left)

➢ For optimum sound quality, do not invert the right and left channels.

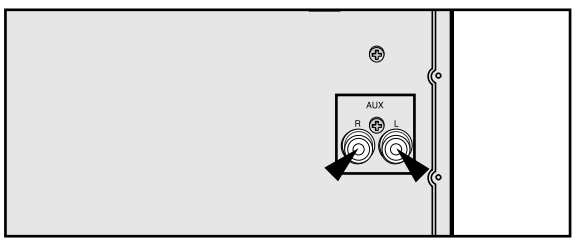
3 Plug the system back into the main socket and press **On/Standby** to switch it on.

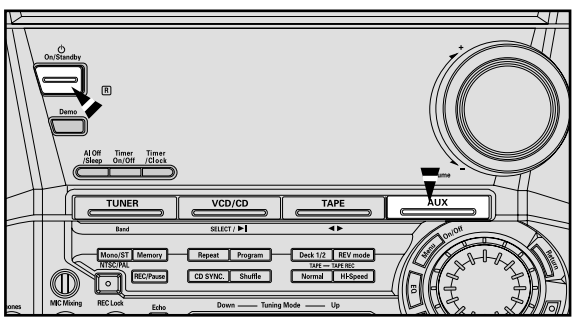
4 Select the AUX source by pressing **AUX** on the front panel .
Result: **AUX** is displayed.

5 Switch the external source on.

6 Adjust the volume and balance as required:
♦ Volume ♦ Equalizer

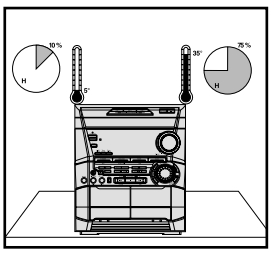
Example: You can watch a film and take advantage of stereo sound provided that the original sound track is in stereo, (as if you were in a cinema).



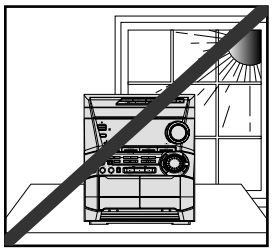


Safety Precautions

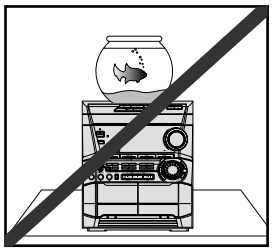
The following diagrams illustrate the precautions to be taken when using or moving your mini-compact system.



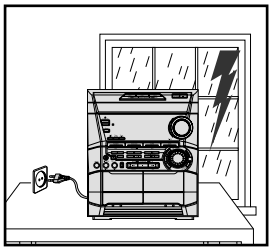
Ambient operating conditions:
Ambient temperature 5°C-35°C
Humidity 10-75%



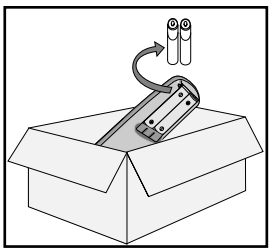
Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.



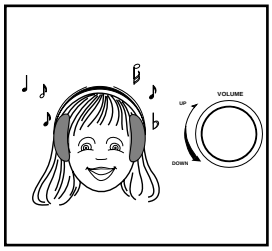
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the socket.



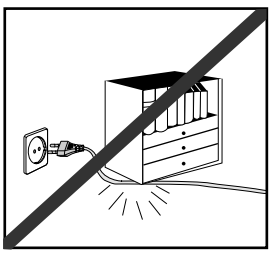
During thunderstorms, disconnect the main plug from the socket. Main voltage peaks due to lightning could damage the unit.



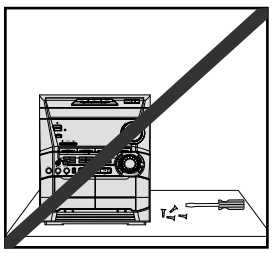
Remove the batteries from the remote control, if not used for any extended periods.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.



Do not place heavy items on the main lead. Main cable damage can lead to damage of the equipment (fire hazard) and can cause electric shock.



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

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Cleaning Your Mini-Compact System

To obtain the best possible results from your mini-compact system, you must clean the following elements regularly:

- The outer casing
- The compact disc player
- The cassette players (heads, rollers and drive capstans)

☛ Always unplug the system from the wall outlet:
- Before cleaning it
- If you are not going to be using it for a long time

Outer Casing

Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.

Compact Disc Player

1 Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the centre outward.

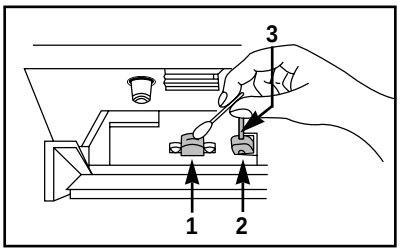
2 Regularly clean the player with a special cleaning disc (available from your local dealer).

Tape Decks

1 Press PUSH/EJECT(⏏) to open the cassette deck.

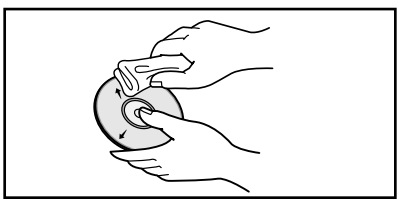
2 Use a cotton bud and a special cassette cleaning agent to clean the:
- Head (1)
- Rollers (2)
- Drive capstans (3)

☛
- If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
- Although your system is very hard-wearing, it should not be used in an excessively dusty environment or subjected to shocks or extreme heat (close to heating appliances or in direct sunlight, etc.).
- If the unit emits an unpleasant odor when in use, unplug it from the main supply and contact the after-sales service.



Precautions When Using Compact Discs

- Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
- When you have finished playing a compact disc, always put it back in its case.
- Do not fix paper or adhesive tape to the discs and do not write on the label.
- Clean them with a special-purpose cloth.
- Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Always use compact discs marked DIGITAL AUDIO.



Precautions When Using Audio Cassettes

- Check that the tape in the cassette is sufficiently taught.
- To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive tape.
- When you have finished playing a cassette, always put it back in its case.
- Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.

Before Contacting the After-Sales Service

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

	Problem	Checks/Explanation
GENERAL	The system does not work	• *The main lead is not correctly plugged into a wall socket or the wall socket is not switched on.* • *The remote control batteries need replacing or the polarity has not been respected.* • *The POWER button has not been pressed.*
	There is no sound	• *The volume has been completely turned down.* • *The correct function (TUNER, CD, TAPE, AUX) has not been selected.* • *You have connected a set of earphones.* • *The loudspeaker wires have been disconnected.* • *The MUTE button has been pressed.*
	The Timer does not work	• *The timer has been stopped by pressing TIMER ON/OFF.*
CD	The compact disc player does not start playing	• *The CD function has not been selected.* • *The disc has been inserted face down or is either dirty or scratched.* • *The laser sensor is dirty or dusty.* • *The system has not been installed on a flat, horizontal surface.* • *Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.*
CASSETTES	The tape does not start playing	• *The TAPE function has not been selected.* • *The cassette has not been inserted correctly.* • *The cassette player has not been closed.* • *The tape is either slack or broken.*
	The volume falls off The cassette is not erased correctly There is excessive wow and flutter	• *The audio heads are dirty.* • *The rollers or drive capstans are dirty.* • *The tape is worn.*
RADIO	Reception is poor or no radio stations are received at all	• *The TUNER function has not been selected.* • *The radio frequency has not been correctly selected.* • *The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation.* • *You are in a building that blocks radio waves; you must use an outside aerial.*

If the above guidelines do not allow you to solve the problem, take a note of:
- The model and serial numbers, normally printed on the rear of the system
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

Technical Specifications

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SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

RADIO	
SW	
Usable sensitivity	40 dB
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	54 dB
Total harmonic distortion	2 %
FM	
Signal/noise ratio	62 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.3 %
COMPACT DISC PLAYER	
Capacity	3 discs
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	90 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	74 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
TAPE DECK	
Frequency range	125 Hz ~ 12 KHz
Signal/noise ratio	40 dB
Channel separation	35 dB
Erasing effect	60 dB
AMPLIFIER	
Output power (6 Ω)	2 x 40 Watts RMS (total harmonic distortion: 10 %) ····· **MAX-7020V**
	2 x 60 Watts RMS (total harmonic distortion: 10 %) ····· **MAX-7030V**
	2 x 100 Watts RMS (total harmonic distortion: 10 %) ····· **MAX-7050V**
Channel separation	50 dB
Signal/noise ratio	75 dB
GENERAL	
Dimensions	270 (W) x 317 (H) x 340 (D) mm

THIS APPLIANCE IS MANUFACTURED BY:

SAMSUNG ELECTRONICS

AH68-00471Q